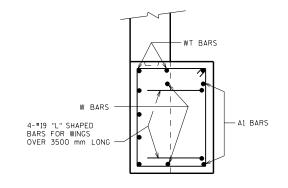
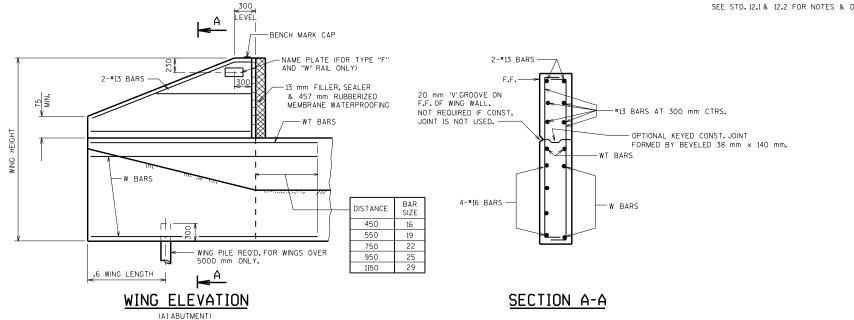
457 mm RUBBERIZED MEMBRANE WATERPROOFING TO EXTEND FROM BRIDGE SEAT TO TOP OF WING. 4-#19 "L" SHAPED BARS FOR WINGS OVER 3500 mm LONG B.F. OF ABUTMENT WING LENGTH WING LENGTH € OF BEARING & PILES — WHEN REQ'D.) - 13 mm FILLER & SEALER 300 mm LEVEL

PLAN FOR TYPE A1 ABUTMENT



SECTION B-B

SEE STD. 12.1 & 12.2 FOR NOTES & DETAILS



DESIGNER NOTES

THIS TYPE OF WING MAY BE USED IN LIEU OF WINGS PARALLEL TO ROADWAY IF APPROVED BY THE BUREAU OF STRUCTURES DESIGN SECTION. DO NOT USE FOR STREAM CROSSINGS WHEN HIGH WATER ELEVATION IS ABOVE TOP OF

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS SHOWN OTHERWISE.

*USE 2 1/2:1FOR THE UNSTABLE CLAYS WHICH ARE SOMETIMES ENCOUNTERED IN NORTHWEST WISC. (SUPERIOR AREA)

DESIGN LOADS (WINGS)

LIVE LOAD = 300 mm SURCHARGE LOAD FACTOR = 1.3 (5/3 LL + 5/3 E) HORIZONTAL EARTH LOAD = 1600 Pa EOUIV. FLUID PRESSURE fy = 420 MPa f'c = 24 MPa

TABLE A

<u></u>					
WING LENGTH	WING HEIGHT				
	2500	3000	3500	4000	BARS
3000	4-#16	4-#16	5-#16		W
	2-#16	2-#16	2-#16		WT
	4-#19	4-#19	4-#19		A1
4000		4-#22	5-#22	4-#25	W
		2-#22	2-#22	2-#25	WΤ
		4-#19	5-#19	4-#22	A1
5000		5-#25	6-#25	5-#29	w
		2-#25	2-#25	2-#29	WΤ
	_	6-#19	4-#25	6-#22	A1
A 6000			8-#25	8-#29	W
			2-#25	2-#29	WΤ
			6-#25	7-#25	A1

⚠ WING PILE REQUIRED

DETAILS FOR WINGS PARALLEL TO ALABUTMENT CENTERLINE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DEVELOPMENT SECTION

APPROVED: 1-02